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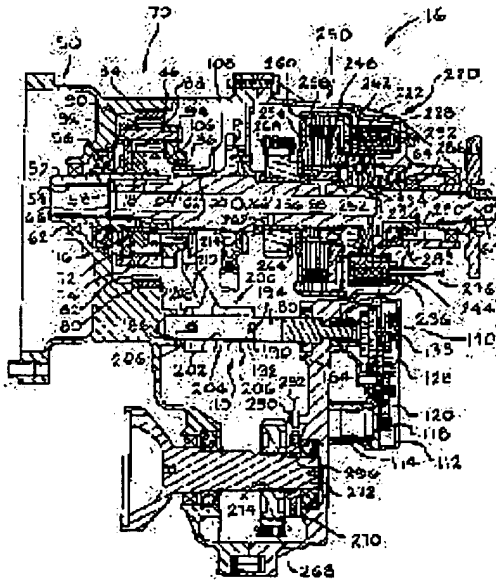
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(54) SHIFT CONTROL ASSEMBLY FOR TRANSFER CASE



(57)Abstract:

PROBLEM TO BE SOLVED: To simplify the structure of a power transmission device by a shift control assembly capable of sensing the shift position at a place close to a drive mechanism.

SOLUTION: The shift control assembly is provided with an electric motor 114, and gear trains 120, 128, 138 having an output part 116 which is connected to a shift rail 180 and which rotates the shift rail 180 in the bi-direction. A shift fork assembly 200 receives the shift rail 180 rotatably, and is arranged on the shift rail 180 between cam followers 194. The shift fork assembly 200 is provided with a body having a pair of helical surfaces distant away from each other, with which the cam followers 194 are to be engaged, and a fork for engaging a shift clutch collar. A circular plate is arranged rotatably together with the shift rail 180, and has an arrangement of holes 158. Plural sensor 160 are adjacent to a circular plate 142 and is arranged in relation in which they can

sens the circular plate.

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